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## INDEX TO AMERICAN BOTANICAL LITERATURE

1913-1914

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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**Bicknell, E. P.** *Viola emarginata* in Massachusetts. *Rhodora* 16: 76, 77. 27 Ap 1914.

**Blakeslee, A. F., & Schulze, A. F.** A possible mutant in the bellwort (*Oakesia sessilifolia*), which prevents seed formation. *Science* 11. 39: 621, 622. f. 1, 2. 24 Ap 1914.

**Bödeker, F.** *Mamillaria Gürkeana* Bödeker, sp. nov. *Monats. Kakteenk.* 24: 52-55. 15 Ap 1914. [Illust.]

**Börjesen, F.** The species of *Sargassum*, found along the coasts of the Danish West Indies, with remarks upon the floating forms of the Sargasso sea. 1-20. f. 1-8. Köbenhavn, 1914.  
Reprinted from vol. 32 of "Mindeskrift" for Japetus Steenstrup.

**Bolley, H. L.** Wheat: Soil troubles and seed deterioration. Causes of soil sickness in wheat lands. Possible methods of control. Cropping methods with wheat. N. Dakota Agr. Exp. Sta. Bull. 107: 9-94. f. 1-45. D 1913.

**Boyer, C. S.** A new diatom. *Proc. Acad. Nat. Sci. Philadelphia* 66: 219-221. pl. 10. Mr 1914.  
*Chaetoceros Elmorei* sp. nov.

**Brandege, T. S.** *Plantae Mexicanae Purpusianae*, V. Univ. California Publ. Bot. 4: 375-388. 24 Je 1913.  
Thirty-five new species are described.

- Collins, F. S.** The marine algae of Vancouver Island. Canada Geol. Surv. Victoria Memorial Museum Bull. **1**: 99-137. 23 O 1913.
- Collins, F. S.** Two species new to Cape Cod. *Rhodora* **16**: 78. 27 Ap 1914.  
*Aira caryophyllea* L. and *Lactuca floridana* (L.) Gaertn.
- Cook, O. F.** Terms relating to generic types. Am. Nat. **48**: 308-314. My 1914.
- Cooper, W. S.** The climax forest of Isle Royale, Lake Superior, and its development. III. Bot. Gaz. **55**: 189-235. f. 31-55. 15 Mr 1913.
- Currie, J. N.** Flavor of Roquefort cheese. Jour. Agr. Research **2**: 1-14. 15 Ap 1914.  
Includes notes on cultural studies of *Penicillium Roqueforti*.
- Dodge, B. O.** The morphological relationships of the Florideae and the Ascomycetes. Bull. Torrey Club **41**: 157-202. f. 1-13. 22 Ap 1914.
- Diels, L.** Diapensiaceen-studien. Bot. Jahrb. **50**: (Suppl.) 304-330. pl. 7 + f. 1-9. 25 Mr 1914.
- Evans, A. W.** Note on New England *Hepaticae*,—XI. *Rhodora* **16**: 62-76. 27 Ap 1914.
- Fernald, M. L.** Some annual halophytic asters of the maritime provinces. *Rhodora* **16**: 57-61. pl. 109. 27 Ap 1914.  
Includes *Aster laurentianus* sp. nov.
- Fisher, G. C.** Seed development in the genus *Peperomia*. Bull. Torrey Club **41**: 137-156. pl. 3-6. 22 Ap 1914; **41**: 221-241. f. 1. My 1914.
- Gates, R. R.** Breeding experiments which show that hybridisation and mutation are independent phenomena. Zeits. Induk. Abstammungs- und Vererbungslehre **11**: 209-279. f. 1-25. Mr 1914.
- Gates, R. R., & Thomas, N.** A cytological study of *Oenothera* mut. *lata* and *Oe. mut. semilata* in relation to mutation. Quart. Jour. Micros. Sci. **59**: 523-571. pl. 35-37 + f. 1-4. F 1914.
- Groom, P.** A preliminary inquiry into the significance of tracheid-caliber in *Coniferae*. Bot. Gaz. **57**: 287-307. 15 Ap 1914.
- Harper, R. A.** Cleavage in *Didymium melanospermum* (Pers.) Macbr. Am. Jour. Bot. **1**: 127-144. pl. 11, 12. Mr 1914.
- Hasselbring, H.** The effect of shading on the transpiration and assimilation of the tobacco plant in Cuba. Bot. Gaz. **57**: 257-286. f. 1. 15 Ap 1914.

- Hassler, E.** Novitates argentinae, IV. Rept. Sp. Nov. **13**: 237-239. 31 Mr 1914.  
Includes *Melochia argentina* sp. nov., and two new varieties.
- Hauri, H., & Schröter, C.** Versuch einer Übersicht der siphonogamen Polsterpflanzen. Bot. Jahrb. **50**: (Suppl.) 618-656. f. 1. 25 Mr 1914.
- Heald, F. D., & Gardner, M. W.** Longevity of pycnospores of the chestnut-blight fungus in soil. Jour. Agr. Research **2**: 67-75. 15 Ap 1914.
- Heller, A. A.** New combinations—XI. Muhlenbergia **9**: 67, 68. 30 Je 1913.
- Hitchcock, A. S.** The type species of *Danthonia*. Bot. Gaz. **57**: 328-330. 15 Ap 1914.
- Howe, R. H.** North American species of the genus *Ramalina*. Part I. Bryologist **16**: 65-74. pl. 5-7 + f. 1-3. S 1913; Part II. Bryologist **16**: 81-88. pl. 8, 9. N 1913; Part III. Bryologist **17**: 1-7 pl. 1, 2 + f. 1, 2. 7 F 1914; Part IV. Bryologist **17**: 17-27. pl. 5, 6 + f. 1-6. Mr 1914.
- Jones, L. R.** Problems and progress in plant pathology. Am. Jour. Bot. **1**: 97-111. Mr 1914.
- Knowlton, C. H.** *Orontium* at Hyannis, Massachusetts. Rhodora **16**: 77. 27 Ap 1914.
- Knuth, R.** Ein Beitrag zur Systematik und geographischen Verbreitung der Oxalidaceen. Bot. Jahrb. **50**: 215-237. f. 1-5. 25 Mr 1914.
- Kofoed, C. A.** *Phytomorula regularis*, a symmetrical protophyte related to *Coelastrum*. Univ. California Publ. Bot. **6**: 35-40. pl. 7. 11 Ap 1914.  
*Phytomorula regularis* gen. et sp. nov.
- Kraus, E. J.** The pollination of the pomaceous fruits. I. Gross morphology of the apple. Oregon Agr. Exp. Sta. Research Bull. **1**: 3-12. pl. 1-7. 22 Ap 1913.
- Lewis, I. F.** *Chlorochromonas minuta*, a new flagellate from Wisconsin. Archiv Protistenkunde **32**: 249-256. pl. 12. 1913.
- Lloyd, F. E.** Morphological instability, especially in *Pinus radiata*. Bot. Gaz. **57**: 314-319. pl. 14 + f. 1, 2. 15 Ap 1914.
- Mann, A.** Coloration of the seed coat of cowpeas. Jour. Agr. Research **2**: 33-56. pl. 6 + f. 1, 2. 15 Ap 1914.
- Manning, F. L.** Life history of *Porella platyphylla*. Bot. Gaz. **57**: 320-323. pl. 15, 16. 15 Ap 1914.

- Melhus, I. E.** Powdery scab (*Spongospora subterranea*) of potatoes. U. S. Dept. Agr. Bull. 82: 1-16. *pl.* 1-3. 6 Ap 1914.
- Meyer, R.** Über *Echinopsis Schickendantzii* Web. Monats. Kakteenk. 24: 51, 52. 15 Ap 1914.
- Moore, A. H.** Concerning *Philadelphus platyphyllus* Rydb. Rhodora 16: 77. 27 Ap 1914.
- Nash, G. V.** Flowers for the spring garden. Jour. N. Y. Bot. Gard. 15: 79-89. Ap 1914.
- Orton, W. A.** The potato quarantine and the American potato industry. U. S. Dept. Agr. Bull. 81: 1-20. *f.* 1. 31 Mr 1914.  
Contains notes on potato diseases.
- O'Gara, P. J.** A rust—new on apples, pears, and other pome fruits. Science II. 39: 620, 621. 24 Ap 1914.
- Pilger, R.** Über *Plantago* Sectio *Plantaginella* Decne. Bot. Jahrb. 50: (Suppl.) 61-71. 25 Mr 1914.
- Piper, C. V., and others.** Alfalfa seed production; pollination studies. U. S. Dept. Agr. Bull. 75: 1-32. *f.* 1. 8 Ap 1914.
- Roberts, J. W.** Experiments with apple leaf-spot fungi. Jour. Agr. Research 2: 57-66. *pl.* 7. 15 Ap 1914.
- Rolfe, R. A.** *Epidendrum profusum*. Curt. Bot. Mag. IV. 10: *pl.* 855 1. Ap 1914.  
A plant from Mexico.
- Rosendahl, C. O.** A revision of the genus *Mitella* with a discussion of geographical distribution and relationships. Bot. Jahrb. 50: 375-397. *pl.* 8 + *f.* 1-9. 25 Mr 1914.
- Ruhland, W.** Zur geographischen Verbreitung der Eriocaulocean. Bot. Jahrb. 50: 363-374. 25 Mr 1914.
- Setchell, W. A.** Parasitic *Florideae*, I. Univ. California Publ. Bot. 6: 1-34. *pl.* 1-6. 18 Ap 1914.  
Includes *Janczewskia Solmsii* Setchell et Guernsey, *J. moriformis* Setchell, *J. Gardneri* Setchell et Guernsey, and *J. lappacea* Setchell.
- Sewell, M. C.** Soil bacteria. Ohio Nat. 14: 273-278. 23 Mr 1914.
- Shull, G. H.** Duplicate genes for capsule-form in *Bursa Bursa-pastoris*. Zeits. Induk. Abstammungs- und Vererbungslehre 12: 97-149. *f.* 1-7. Ap 1914.
- Shull, G. H.** Über die Vererbung der Blattfarbe bei *Melandrium*. Ber. Deutsch. Bot. Ges. 31: 40-80. *pl.* 23 + *f.* 1, 2. 25 Mr 1914.
- Small, J. K.** Exploration in the Everglades and on the Florida Keys. Jour. N. Y. Bot. Gard. 15: 69-79. *pl.* 129-131. Ap 1914.